

## ABSTRACT OF THE DISCLOSURE

A communication system for a computer includes apparatuses and methods for providing commands and data between a host computer and a multi-channel modem via a single host-to-modem physical channel using multiple logical channels. The communication system suitably includes a logical channel upon which each modem receives command data. Signals asserted on the logical channel corresponding to commands for a particular physical channel are automatically treated as commands. Signals on noncommand logical channels are processed as data to be transferred. Consequently, each physical channel of the modem may be controlled without requiring an escape sequence.